

Reference 68

SD 0078-W

0097 38 02277

TEXAS AIR CONTROL BOARD
PERMITS AND REGULATION DIVISION

1-8-83

I. PERMIT TO BE ISSUED TO

BROWN & ROOT DEVELOPMENT, INC.

Making Information (Firm's name, address) J. D. Williamson, Project Manager

P. O. Box 182 Ingleside, Texas 78642

Telephone (512) 776-2061

Principal Activities: Fabrication Industrial Fabrication

II. LOCATION OF PERMIT UNIT (Latitude and Longitude must be to the nearest arc second. Zip Code of Permit Unit: 78642

Name of plant or site: Ingleside Upgrade Years Address: 2400 Bishop Road

Nearest City: Ingleside County: San Patricio Latitude: 27° 51' 24" Longitude: 97° 10' 16"

III. TYPE OF OPERATION OR PROCESS OF PERMIT UNIT

A. Name of operation or process of permit unit: Abrasive Blast Cleaning

B. Applicant's unit identification number: (Sand Blast Yard)

C. Type (check one): ☐ Permanent ☒ Portable

D. Operating schedule: 8 hours/day 5 days/week 52 weeks/year

E. Proposed or actual start dates: Construction: N/A (P/A) Operation: May 15, 1985 (P/A)

IV. PERMIT UNIT CLASSIFICATION (Check applicable boxes)

A. ☒ New Permit UnitB. ☐ Modification of Facility (See Section 1.03(9) of the Texas Clean Air Act)C. ☐ Change in Location (Present Location)D. ☐ Change in Ownership (Requires Release Letter from Previous Owner)☐ Facility Not Permitted☐ Present Permit No.

V. If Items IV.A, B, or C were checked, submit the following information under either A or B

N/A ☒ Data requested in B1, B2, B3, B4 and B5 has been previously submitted under Permit No. (Update may be required)

B.1. Submit an area map to approximate scale showing the location of the property, geographical features such as highways, roads, streams and significant landmarks (including buildings and residences), distance to the center of nearest city or town if located outside an incorporated municipality. If the property is located within a town or city, a city map may be used to present this information and if outside a town or city, a county highway map may be used.

B.2. Give a legal description of the tract of land upon which the plant or facility is located. The term "legal description" means either a metes and bounds description, or the block and lot number of a platted subdivision which would be suitable to effectuate the transfer of title to real property.

B.3. Submit a plot plan of the property, to scale, showing the boundaries, plant bench mark (latitude-longitude), the location of all emission points of any air contaminants on the property, true north direction. Identify the emission points by numbers; use the same numbers for those emission points in this permit that will be consistent with the flow diagram and emission inventory questionnaire.

B.4. Submit emission data and stack parameters on Table 1. Include fugitive emissions on Table 1 and submit information showing how the fugitive emissions were estimated.

NONE ☒ Submit the estimated installed capital and operating costs for any and all abatement equipment associated with the permit unit.

VI. Submit the following information (See instructions concerning submission of confidential information)

N/A ☒ Process Flow Diagram: Prepare and attach a flow diagram identifying significant individual processes and/or operations. Identify by number, points where raw materials, chemicals, and fuels are introduced, where gaseous emissions and/or airborne particulate matter may be discharged, including intermediate releases, where finished products are obtained, and location of pollution control devices.

B. Description of Process: Prepare and attach a written description of each process and of the function of the equipment in the process. (Identify items of equipment by numbers corresponding to flow diagram numbers.) The description must be in sufficient detail to determine the general operation of the process including emission sources and abatement equipment functions.

C. Material Balance: Submit Table 2 showing all materials used or produced by the permit unit.

D. Permit Fee: Attach required fee and cost certification, or furnish explanation why fee is not required. (See Regulation VI, Rule 116.11)

VII. A copy of the application is being sent to the Regional Office of the Texas Air Control Board

☒ Yes ☐ No

A copy of the application is being sent to the local city or county air pollution control program

☒ Yes ☐ No

If answer is no, submit three copies of the application.

VIII. J. D. Williamson

Project Manager

(Name)

(Title)

state that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Clean Air Act, Article 4477-5, Vernon's Texas Civil Statutes, as amended, or any of the Rules and Regulations of the Texas Air Control Board or any local governmental ordinance or resolution enacted pursuant to the Texas Clean Air Act.

DATE

5/4/85

SIGNATURE

J. D. Williamson 68 001
(Owner, Plant Manager, President, Vice President)

List all sources, including this application, of air contaminants on applicant's property. If applicant has submitted this information in an earlier emission inventory, it will not be necessary to duplicate the requested information. Instead, indicate that this page has been submitted and list only changes from the emission inventory and list new source data.

ENCLOSE THE FOLLOWING INFORMATION

1. EMISSIONS OTHER THAN THROUGH STACKS (HORIZONTAL VENTS, ETC.)
2. STACK'S HEIGHT ABOVE SUPPORTING OR ADJACENT STRUCTURES
3. DIMENSIONS OF NON-CIRCULAR STACKS
4. RESULTS OF TESTS INDICATING AVERAGE PARTICLE SIZE, DENSITY, ETC.

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TABLE 1

MATERIAL BALANCE

This material balance table is used to quantify possible emissions of air contaminants and special emphasis should be placed on potential air contaminants, for example: If feed contains sulfur, show distribution to all products. Please relate each material (or group of materials) listed to its respective location in the process flow diagram by assigning point numbers (as in from the flow diagram) to each material.

LIST EVERY MATERIAL INVOLVED IN EACH OF THE FOLLOWING GROUPS	Point No. from Flow Diagram Plot Plan	Process Rate (lb/hr or SCFM) standard conditions: 70°F, 14.7 PSIA. Check appropriate columns at right for each process.	Measurement	Verification	Calculation
1. Raw Materials - Input Silica Sand	1 or 2	1250 LB/HR AVG.	X		
2. Fuels - Input NONE					
3. Products & By-Products - Output NONE					
4. Solid Wastes - Output Silica Sand	1 or 2	1063 LB/HR AVG.		X	
5. Liquid Wastes - Output NONE					
6. Airborne Waste (Solid) - Output Silica Sand	1 or 2	187 LB/HR AVG.		X	
7. Airborne Wastes (Gaseous) - Output Air Only	1 or 2	700 SCFM		X	

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TABLE 27

ABRASIVE BLAST CLEANING

Point Number From ENVIRONMENTAL Plot, Flag 1 or 2 Point 1 Active only from May 15, 1985 to July 15, 1985 and Point 2 Active thereafter		Type of Blasting <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Wet	
ABRASIVE CLEANING (CLEAN) METHOD			
Blast Enclosure and Size <input type="checkbox"/> Room _____ ft. x _____ ft. H _____ ft. <input type="checkbox"/> Barrel _____ ft. <input type="checkbox"/> Cabinet _____ ft. <input checked="" type="checkbox"/> Other (Specify) Open Air		Method of Propelling the Abrasive <input checked="" type="checkbox"/> Compressed Air <input type="checkbox"/> Centrifugal Force <input type="checkbox"/> Water	
ABRASIVE CLEANING MATERIAL			
Abrasive Material Type <input checked="" type="checkbox"/> Silica Sand <input type="checkbox"/> Metallic (Specify) _____ <input type="checkbox"/> Synthetic (Specify) _____ <input type="checkbox"/> Other (Specify) _____		Abrasive Material Balance Amount of Material Used Per Year 1250 lbs/yr Amount of Abrasive Recycled 1063 lbs/yr Operating Hours of Abrasive Cleaner 2000 hrs/yr	
ABATEMENT EQUIPMENT DATA Open Air Blasting (No Enclosure)			
Type of Equipment <input type="checkbox"/> Fabric Filter <input type="checkbox"/> Scrubber <input type="checkbox"/> Cyclone <input type="checkbox"/> Settling Chamber <input type="checkbox"/> Other NONE	Capital Installed Cost \$ N/A Annual Operating Cost \$ N/A	Material Entering Primary Collector (lb/hr) N/A	Material Entering Secondary Collector (lb/hr) N/A
		Material Emitted To Atmosphere (lb/hr) 187	
EXHAUST GAS STREAM CHARACTERISTICS			
(Air Comp.) Flow Rate (acfm) Design Max. 750 Average Expected 700		Exhaust Stack (Air Comp.) Temp. (°F) 175⁰ Height (ft) 7' 3" Diameter (ft) 0.25	
		Building Height (ft) N/A	Fan Requirements HP N/A Ft ³ / Min N/A
ADDITIONAL INFORMATION			
Describe Shape and Size of Items to be Cleaned. Primarily piping materials up to 72" in nominal diameter; Also various structural steel shapes. (All Material Carbon Steel)			
Specify How Collected Material is Disposed of: Used as fill sand around project site.			

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TRACT NO. 2: Being a portion of the land and waterfront East of the dedicated roadway commonly known and referred to as Ocean Drive, according to the map or plat of the Burton and Danforth Subdivision made by P. L. Telford, Surveyor, recorded in Vol. 1, pages 62-63, Map Records, Aransas County, Texas, a certified photo copy of which recorded map being of record in Vol. 152, page 1, Deed Records, San Patricio County, Texas, and also according to the Map of the Aransas Harbor City Improvement Company Farm Tracts made by J. M. A. McCune, recorded in Vol. 1, page 1, Map Records, Aransas County, Texas; to which map and the records thereof references are here made for further description of said property, it being the same property conveyed by Harry L. Edgerley and wife, Violet Hoffman Edgerley, to R. D. Brashear in Warranty Deed, dated November 22, 1948, recorded in Vol. 231, pages 387-388, Deed Records, San Patricio County, Texas; and

TRACT NO. 3: Being a portion of the land and waterfront East of the dedicated roadway commonly known and referred to as Ocean Drive, according to the map or plat of the Burton and Danforth Subdivision made by P. L. Telford, Surveyor, recorded in Vol. 1, pages 62-63, Map Records, Aransas County, Texas, a certified photo copy of which recorded map being of record in Vol. 152, page 1, Deed Records, San Patricio County, Texas; to which map and the records thereof references are here made for further particulars; said portion being described by metes and bounds, viz:

BEGINNING at a point on the East line of said Ocean Drive where the Southeasterly projection of the North line of Farm Lot No. Three (3), Bay Block No. Eight (8) of said Burton and Danforth Subdivision crosses said East line; THENCE in a Southeasterly direction with said projection of the North line of said Farm Lot No. Three (3) to the shore of Red Fish Bay for the Northeast corner of this tract; THENCE with the shore line of Red Fish Bay in a Southwesterly direction to a point on the shoreline 640 feet as measured at a right angle from said projection of the North line of said Farm Lot No. Three (3) and being in the Southeasterly projection of the South line of Farm Lot No. Four (4), Bay Block No. Eight (8) of said Burton and Danforth Subdivision for the Southeast corner of this tract; THENCE in a Northwesterly direction along the Southeasterly projection of the South line of said Farm Lot No. Four (4) to a point on the East boundary line of said Ocean Drive for the Southwest corner of this tract; THENCE in a Northeasterly direction following the East line of said Ocean Drive to the point of BEGINNING; said TRACT NO. 2 being the North 640 feet of a tract or parcel of land described as Tract 1 and conveyed in Warranty Deed, dated April 24, 1951, from Aransas Properties, Inc. to R. D. Brashear and R. L. Irwin, recorded in Vol. 266, pages 338-340, Deed Records, San Patricio County, Texas; and said TRACT NO. 2 herein described being bound on the North by the Southeasterly projection of the North line of Farm Lot No. Three (3), Bay Block No. Eight (8) of said Burton and Danforth Subdivision, on the East by Red Fish Bay, on the South by the Southeasterly projection of the South line of Farm Lot No. Four (4), Bay Block No. Eight (8) of said Burton and Danforth Subdivision, and on the West by the East boundary line of said Ocean Drive; and

TRACT NO. 3: Being a portion of the dedicated roadway commonly known and referred to as Ocean Drive, acquired by Special Warranty Deed from Brashear-Irwin Industries, Inc. to T. L. Bishop, according to the map or plat of the Burton and Danforth Subdivision made by P. L. Telford, Surveyor, recorded in Vol. 1, pages 62-63, Map Records, Aransas County, Texas, a certified photo copy of which recorded map being of record in Vol. 152, page 1, Deed Records, San Patricio County, Texas; to which map and the records thereof references are here made for further particulars; said portion having been closed and

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abandoned as a public roadway by Order of the Commissioners Court of San Patricio County, Texas, dated January 11, 1911, entered in Vol. 14, pages 342-343, Commissioners Court of San Patricio County, Texas, being described by Survey and Boundaries as follows: Thence

Beginning at the Southeast corner of Farm Lot No. Four (4), Bay Block No. Eight (8) of said Burton and Danforth Subdivision, which point of beginning is also on the West line of said Ocean Drive;
THENCE in a Northeasterly direction following said West line of Ocean Drive to the intersection with the North line of Farm Lot No. Three (3) of said Bay Block No. Eight (8), said point of intersection being the Northeast corner of said Farm Lot No. Three (3);
THENCE S. 15° 23' E. across said Ocean Drive to its East line;
THENCE in a Southwesterly direction following said East line of Ocean Drive to the point of intersection of the projection Eastward of the South line of said Farm Lot No. Four (4);
THENCE N. 55° 23' W. along said projected line to the PLACE OF BEGINNING.

SUBJECT, HOWEVER, TO all reservations and exceptions of oil, gas and other minerals of record in San Patricio County, Texas, and also SUBJECT TO all easements, restrictions, covenants, conditions and other reservations, if any, relating to the above described three (3) tracts of land, but only to the extent that they are still in effect, and shown of record in San Patricio County, Texas, and further it being intended that this conveyance shall include all rights, title and interest in and to any property, mineral or surface estate, which is owned by Seller or any of its principals, which property is contiguous to the above described realty; it being further intended that any conditional or reversionary interest or right in the said property which may later vest in Seller or any of its principals shall pass to Grantee under this conveyance.

Tract No. 4

STARTING at the center point of the intersection of two (2) roadways bounded by Lot One (1), Block "11", Lot One (1), Block "MM", Lot One (1), Bay Block Nine (9), and Lot Four (4), Bay Block Eight (8), according to the map or plat of the BURTON AND DANFORTH SUBDIVISION prepared by P. L. Telford dated December 9, 1909, and recorded in the Map Records of Aransas County, Texas, in Volume 1, pages 62-63, a certified photostatic copy of which is filed in the Deed Records of San Patricio County, Texas, in Volume 152, page 1;

THENCE, with the centerline of said roadway lying between Lot Four (4), Bay Block Eight (8), and Lot One (1), Bay Block Nine (9), S. 55 deg. 23 min. 00 sec. E., a distance of 1217.22 feet to a point for THE BEGINNING POINT of this 3.264 acre tract;

THENCE, N. 37 deg. E., 20.02 feet to a corner;

THENCE, S. 55 deg. 23 min. 00 sec. E., 269.72 feet to a point on the shoreline of Red Fish Bay for a corner;

THENCE, S. 37 deg. W., 450.39 feet with the shoreline of Red Fish Bay to the Southeast corner of this tract;

THENCE, N. 55 deg. 23 min. W., 508.93 feet to a corner;

THENCE, N. 54 deg. 37 min. E., 430.0 feet to a corner;

THENCE, S. 55 deg. 23 min. E., 57.1 feet to the POINT OF BEGINNING, containing 3.264 acres, more or less;

SUBJECT TO:

1. A 20' x 57.1' easement along the North line of said tract in the 40 ft. roadway known as Bishop Road.

2. All of the oil, gas and other minerals having been reserved by production in 1941, and all of their fractional interests, 1941 lease, or assignment, and all other interests, from 1941 to 1941, as a result of the lease dated 1 May 1941 and recorded in Volume 102, page 11, and instrument dated 2 October 1941 from HRC, JACK McGUIRE, JR., ET AL to S. D. BRADSHAW, recorded in Volume 140, page 242 of the Good Records of San Antonio County, Texas, reference to which instruments is here made for all purposes.

3. Subject to the terms, conditions and stipulations of the following rights-of-way and easements: dated 15 June 1941 from ESTATE OF HERMAN F. WELP ET AL to SMITH OIL CO. recorded in Volume 118, page 161; dated 7 October 1941 to SUNRAY OIL CO. dated 28 April 1941 to UNITED STATES OF AMERICA in Volume 244, page 114 for spoil deposit; and easement for fresh water lines in instrument dated 1 January 1970; reference to which instruments is here made for all purposes.

4. Subject to all title or rights asserted by anyone, including but not limited to persons, corporations, governments or other entities to tidelands or lands comprising the shores of bays, gulfs or oceans, or to any land extending from the line of mean low tide to the line of vegetation or to lands beyond the line of the harbor or bulkhead lines as established or changed by any government, or to filled in land or artificial island, or the rights or interests of the State of Texas or the public generally in the area extending from the line of mean low tide to the line of vegetation or their right of access thereto or right of easement along and across same.

10/10/2001 TNRCC

68 008



ATLANTA, GA 30303
770-443-0264
FAX 770-443-0264

ATLANTA, GA 30303
770-443-0264

LAT 27° 31' 24"
LONG 97° 17' 16"

3 MILES SOUTHEAST
OF INGLESDALE, TEXAS

**ANDY VILLASANA
INSURANCE AGENCY**